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Water-Data Report 2008

**02143000 HENRY FORK NEAR HENRY RIVER, NC**

Santee Basin  
South Fork Catawba Subbasin

LOCATION.--Lat 35°41'04", long 81°24'12" referenced to North American Datum of 1983, Catawba County, NC, Hydrologic Unit 03050102, on left bank 325 ft downstream of bridge on Secondary Road 1124, at site of Old Link Ford, 1.2 mi downstream of Burke-Catawba County line, and 2 mi southeast of Henry River.

DRAINAGE AREA.--83.2 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 1925 to November 1931, December 1941 to current year.

REVISED RECORDS.--WSP 952: 1928, 1930. WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 890.99 ft above NGVD of 1929. July 1925 to November 1931, at site 450 ft upstream at same datum. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for current water year result of regulation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known: 29.2 ft, August 13, 1940, at former site, from floodmarks; discharge: 31,300 ft<sup>3</sup>/s. The flood of July 16, 1916, reached a stage of about 23 ft at former site; discharge: 20,700 ft<sup>3</sup>/s.

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02143000 HENRY FORK NEAR HENRY RIVER, NC—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	21	28	34	93	194	59	68	54	32	16	27	37
<b>2</b>	20	28	33	65	242	57	66	52	30	15	23	36
<b>3</b>	20	28	33	52	128	55	67	50	29	14	25	32
<b>4</b>	22	28	32	e48	107	62	97	48	29	13	21	29
<b>5</b>	24	28	33	e45	94	249	158	46	27	27	18	27
<b>6</b>	27	28	33	43	23	175	273	44	26	65	17	26
<b>7</b>	24	27	31	41	23	143	222	43	25	49	16	24
<b>8</b>	22	28	31	40	26	237	136	42	23	49	15	24
<b>9</b>	21	29	31	39	42	172	108	43	22	63	14	23
<b>10</b>	20	30	32	39	57	121	93	42	36	138	13	26
<b>11</b>	19	29	32	46	57	102	85	42	31	73	13	43
<b>12</b>	19	30	31	46	55	90	82	48	32	39	12	41
<b>13</b>	19	30	31	41	101	81	76	42	26	48	17	33
<b>14</b>	20	30	31	39	113	75	69	39	25	46	24	29
<b>15</b>	19	35	32	37	107	77	66	39	24	32	34	26
<b>16</b>	19	39	48	36	97	107	63	45	22	26	21	64
<b>17</b>	19	34	44	45	88	85	60	42	21	24	37	84
<b>18</b>	20	33	36	52	97	77	59	39	19	22	35	50
<b>19</b>	21	32	34	54	87	87	59	41	18	21	23	38
<b>20</b>	22	32	33	53	70	198	70	37	18	20	19	33
<b>21</b>	21	32	37	48	65	148	60	36	18	19	17	31
<b>22</b>	21	36	40	46	63	116	57	34	18	18	16	29
<b>23</b>	22	38	92	43	62	99	55	33	18	33	15	27
<b>24</b>	38	35	101	42	58	87	53	32	18	45	15	26
<b>25</b>	78	33	55	40	56	79	52	32	17	26	29	25
<b>26</b>	59	38	45	39	68	74	51	31	16	22	54	32
<b>27</b>	44	48	41	39	81	71	88	31	18	22	629	127
<b>28</b>	34	44	53	38	66	69	72	51	20	20	233	105
<b>29</b>	30	37	173	37	61	75	67	58	17	20	73	66
<b>30</b>	29	35	134	38	---	77	58	41	17	29	52	47
<b>31</b>	27	---	175	38	---	68	---	35	---	22	41	---
<b>Total</b>	821	982	1,621	1,402	2,388	3,272	2,590	1,292	692	1,076	1,598	1,240
<b>Mean</b>	26.5	32.7	52.3	45.2	82.3	106	86.3	41.7	23.1	34.7	51.5	41.3
<b>Max</b>	78	48	175	93	242	249	273	58	36	138	629	127
<b>Min</b>	19	27	31	36	23	55	51	31	16	13	12	23
<b>Cfsm</b>	0.32	0.39	0.63	0.54	0.99	1.27	1.04	0.50	0.28	0.42	0.62	0.50
<b>In.</b>	0.37	0.44	0.72	0.63	1.07	1.46	1.16	0.58	0.31	0.48	0.71	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2008<sup>a</sup>, BY WATER YEAR (WY)

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	104	103	126	150	180	200	181	134	113	87.3	96.0	94.1
<b>Max</b>	562	392	276	380	473	583	470	322	392	203	554	594
(WY)	(1930)	(1978)	(1984)	(1996)	(1960)	(1975)	(1983)	(1984)	(1947)	(1949)	(1928)	(1945)
<b>Min</b>	24.5	32.7	31.1	32.3	49.0	69.7	56.8	35.8	20.8	14.5	12.5	25.0
(WY)	(2001)	(2008)	(1956)	(1956)	(2001)	(1985)	(2002)	(2002)	(2002)	(2002)	(2002)	(2007)

**SUMMARY STATISTICS**

	<b>Calendar Year 2007</b>	<b>Water Year 2008</b>			<b>Water Years 1926 - 2008<sup>a</sup></b>	
<b>Annual total</b>	29,283		18,974			
<b>Annual mean</b>	80.2		51.8		131	
<b>Highest annual mean</b>					221	1993
<b>Lowest annual mean</b>					45.5	2002
<b>Highest daily mean</b>	1,660	Mar 2	629	Aug 27	10,100	Oct 2, 1929
<b>Lowest daily mean</b>	13	Sep 8	12	Aug 12	4.0	Nov 15, 1942
<b>Annual seven-day minimum</b>	17	Sep 7	14	Aug 6	5.8	Aug 8, 2002
<b>Maximum peak flow</b>			1,490	Aug 27	15,300	Oct 2, 1929
<b>Maximum peak stage</b>			4.80	Aug 27	18.71	Oct 12, 1990
<b>Instantaneous low flow</b>			b7.7	Oct 2	3.0	Dec 20, 1942
<b>Annual runoff (cfsm)</b>	0.964		0.623		1.57	
<b>Annual runoff (inches)</b>	13.09		8.48		21.36	
<b>10 percent exceeds</b>	130		95		215	
<b>50 percent exceeds</b>	48		38		91	
<b>90 percent exceeds</b>	21		19		40	

<sup>a</sup>See Period of Record.

bSee Remarks.

